Title: ADAPTIVELY FILTERING OUTLINES OF TYPOGRAPHIC CHARACTERS TO SIMPLIFY REPRESENTATIVE CONTROL DATA
Inventors: Beat Stamm, Gregory C. Hitchcock, and Michael J. Duggan
Docket No.: 14984.35

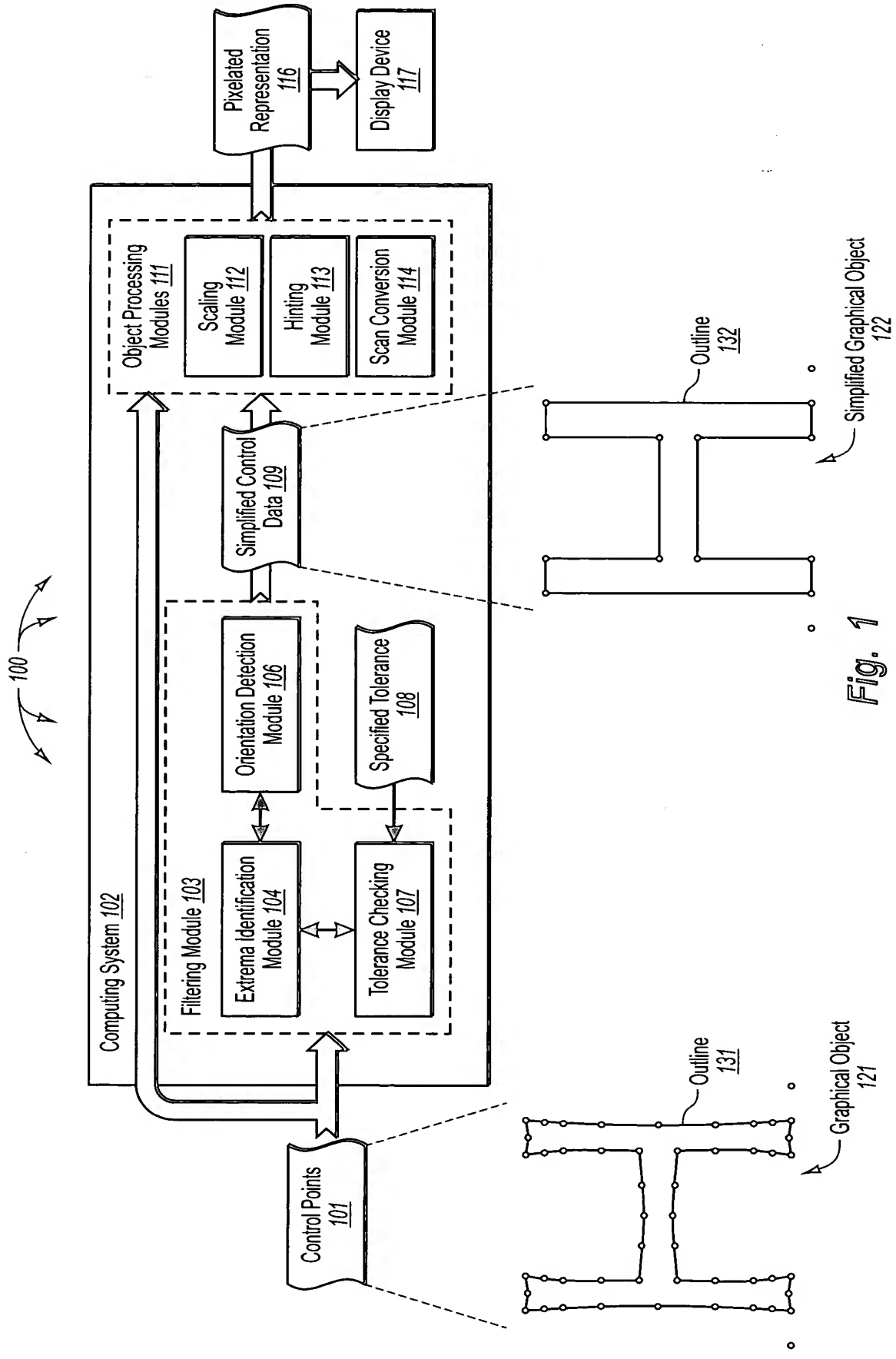

Fig. 1

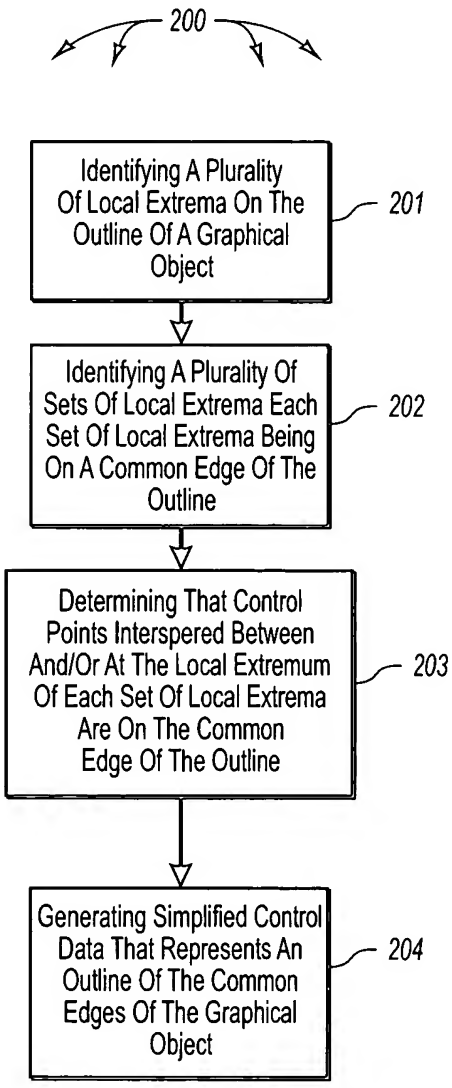
200
Identifying A Plurality Of Local Extrema On The Outline Of A Graphical Object
201
Identifying A Plurality Of Sets Of Local Extrema Each Set Of Local Extrema Being On A Common Edge Of The Outline
202
Determining That Control Points Interspered Between And/Or At The Local Extremum Of Each Set Of Local Extrema Are On The Common Edge Of The Outline
203
Generating Simplified Control Data That Represents An Outline Of The Common Edges Of The Graphical Object
204

Fig. 2

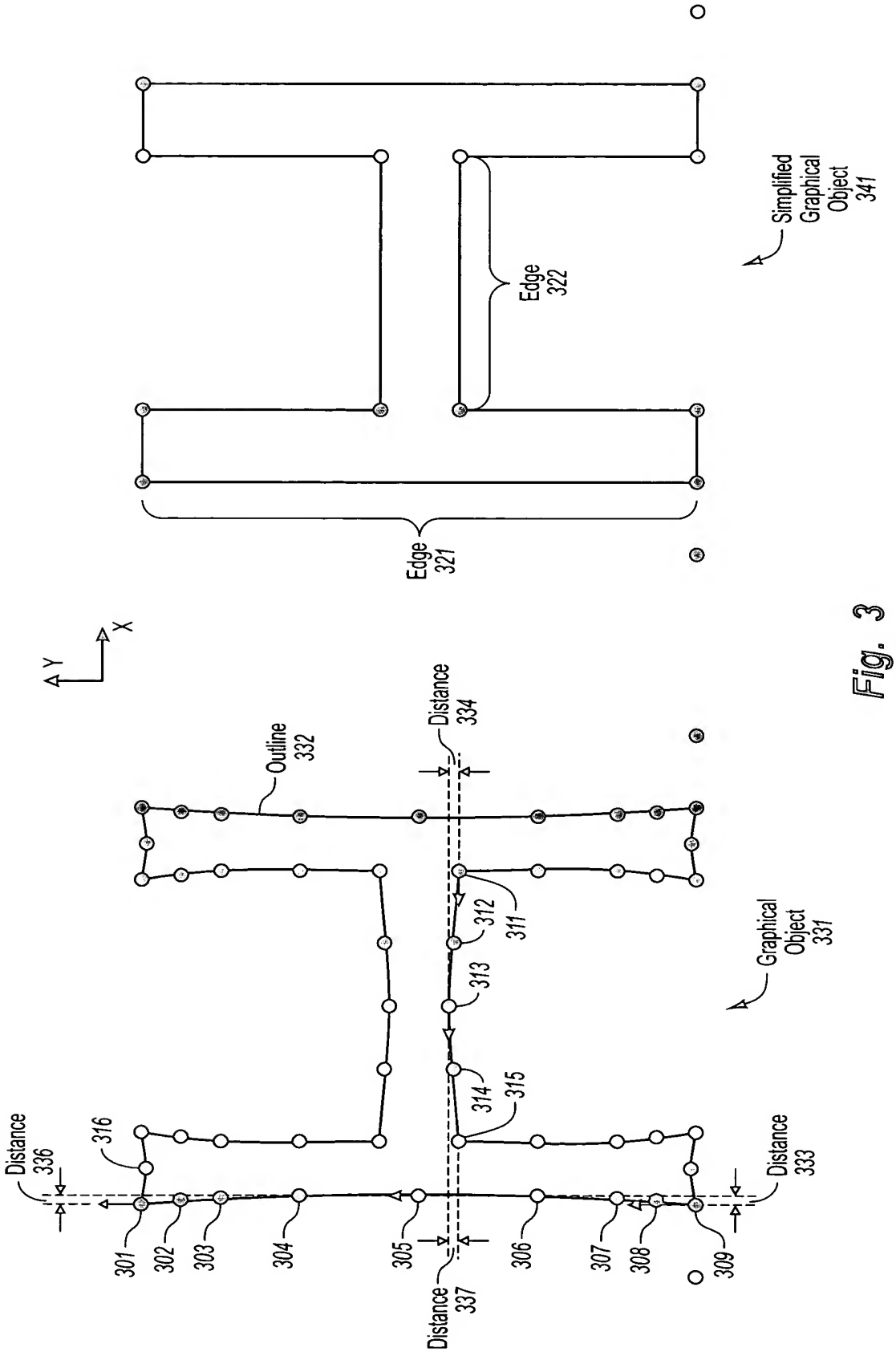
Simplified Graphical Object 341
Edge 322
Edge 321
Y
X
Distance 334
Outline 332
Graphical Object 331
312
311
313
314
315
316
Distance 336
Distance 333
301
302
303
304
305
306
307
308
309
Distance 337

Fig. 3

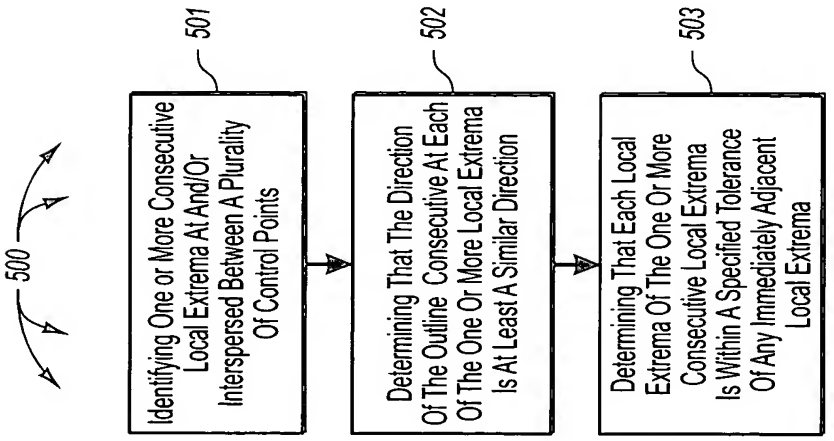
500
501
Identifying One or More Consecutive Local Extrema At And/Or Interspersed Between A Plurality Of Control Points
502
Determining That The Direction Of The Outline Consecutive At Each Of The One Or More Local Extrema Is At Least A Similar Direction
503
Determining That Each Local Extrema Of The One Or More Consecutive Local Extrema Is Within A Specified Tolerance Of Any Immediately Adjacent Local Extrema

Fig. 5

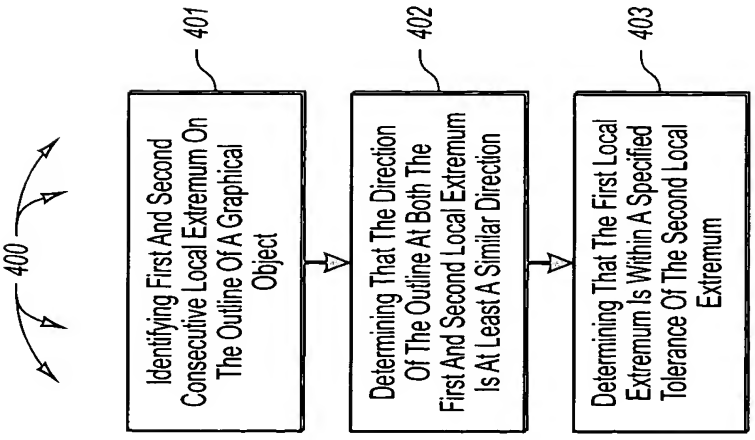
400
401
Identifying First And Second Consecutive Local Extremum On The Outline Of A Graphical Object
402
Determining That The Direction Of The Outline At Both The First And Second Local Extremum Is At Least A Similar Direction
403
Determining That The First Local Extremum Is Within A Specified Tolerance Of The Second Local Extremum

Fig. 4

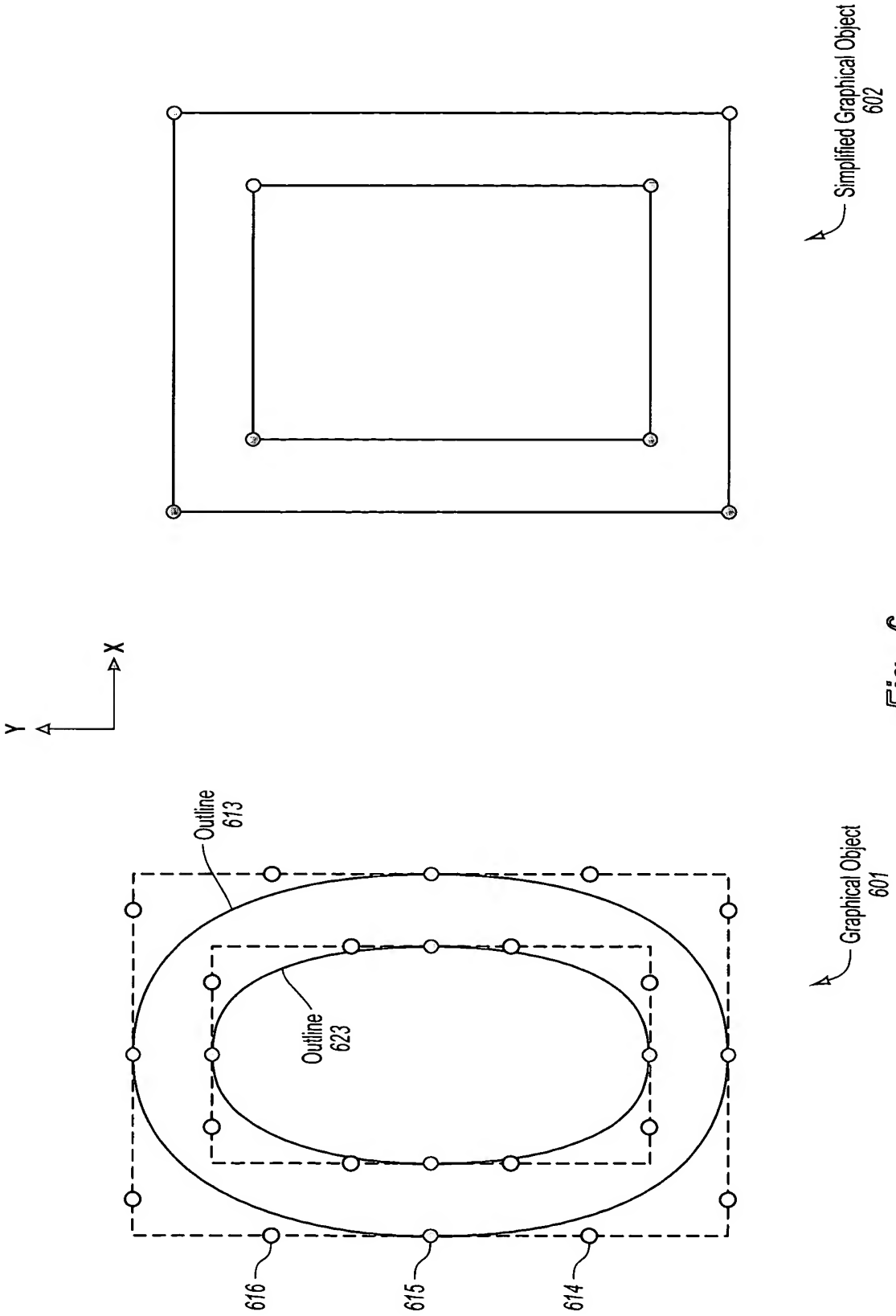
Simplified Graphical Object
602
X
Y
Outline
613
Outline
623
Graphical Object
601
616
615
614

Fig. 6

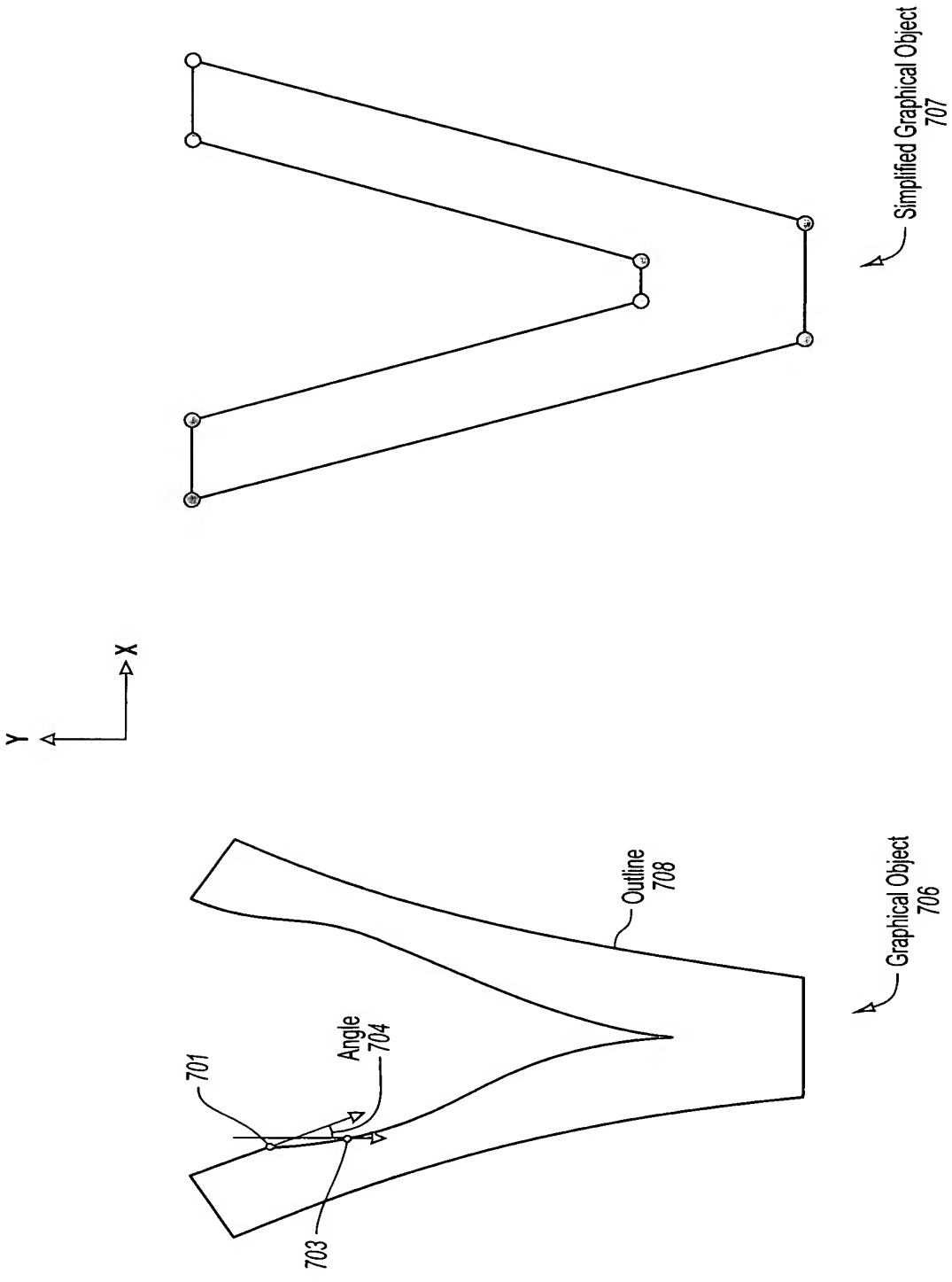
Simplified Graphical Object
707
X
Y
Graphical Object
706
Outline
708
Angle
704
701
703

Fig. 7

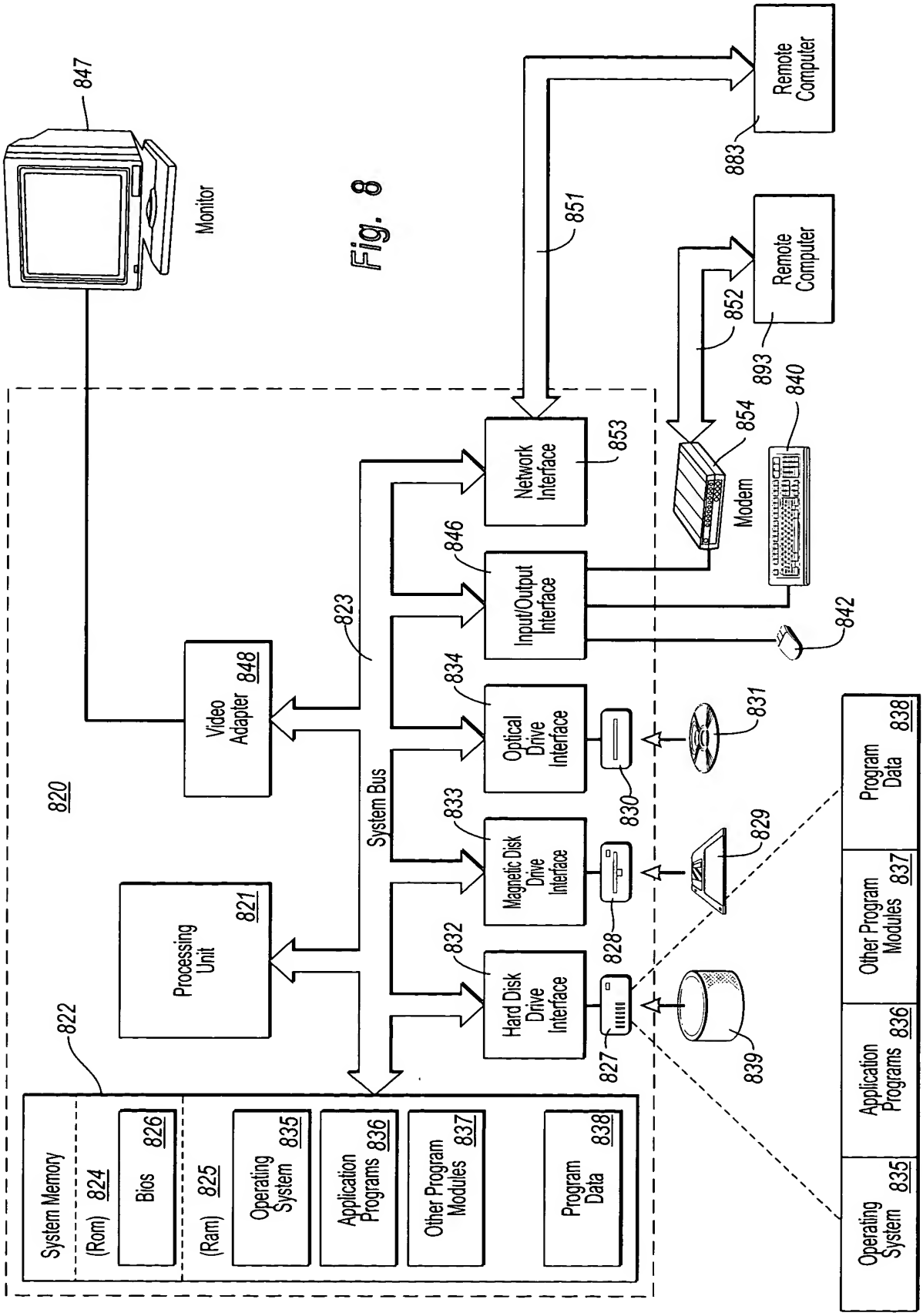
847
Monitor
Remote Computer
883
851
Remote Computer
852
893
840
854
Modem
Network Interface
853
846
Input/Output Interface
842
823
Video Adapter
848
834
Optical Drive Interface
831
820
System Bus
833
Magnetic Disk Drive Interface
830
829
Processing Unit
821
832
Hard Disk Drive Interface
828
822
827
839
System Memory
(Rom) 824
Bios 826
(Ram) 825
Operating System 835
Application Programs 836
Other Program Modules 837
Program Data 838
Program Data 838
Other Program Modules 837
Application Programs 836
Operating System 835

Fig. 8